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(74) Agent: **GROENENDAAL, Antonius, W., M.**; Prof. Holstlaan 6, NL-5656 AA Eindhoven (NL).

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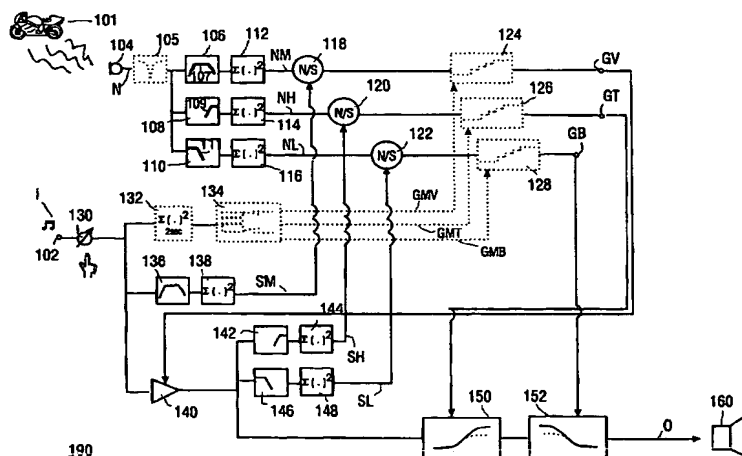
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(54) Title: **AUDIO CONDITIONING APPARATUS, METHOD AND COMPUTER PROGRAM PRODUCT**



(57) Abstract: The audio conditioning apparatus (190) for conditioning an audio signal (O) to be output, contains a noise characterizing unit (106, 112) arranged to evaluate a noise level (NM) of environmental noise yielding a noise level with which subsequently a volume amplification unit (140) amplifies a volume of the audio signal (O) by a volume gain (GV), depending on the noise level (NM). The audio conditioning apparatus (190) contains a further noise characterizing unit (108, 114), (110, 116) is comprised, arranged to evaluate a further noise level (NL, NH) of the environmental noise in a noise band of low bass or high treble noise frequencies, and based on this further noise level a further amplification unit (150, 152) amplifies by a further gain (GB, GT) the amplitude of frequency components in a to the noise band corresponding audio band of low respectively high audio frequencies of the audio signal (O). The result is a simple apparatus which achieves that the audio in a noisy environment substantially sounds as if there was no or less noise.



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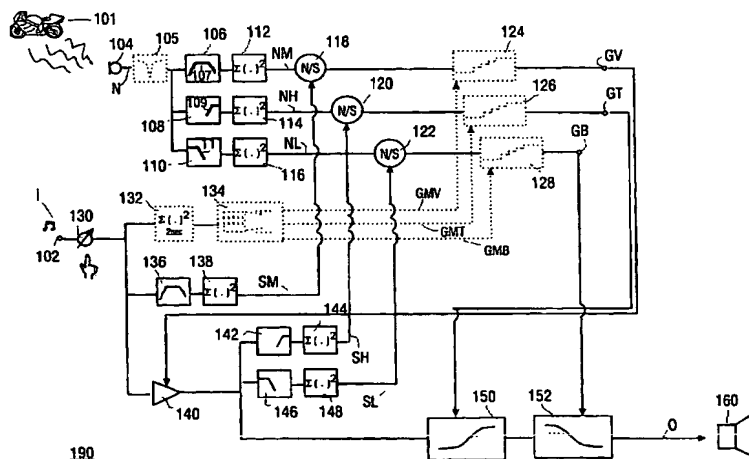
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